**FIG. 1**

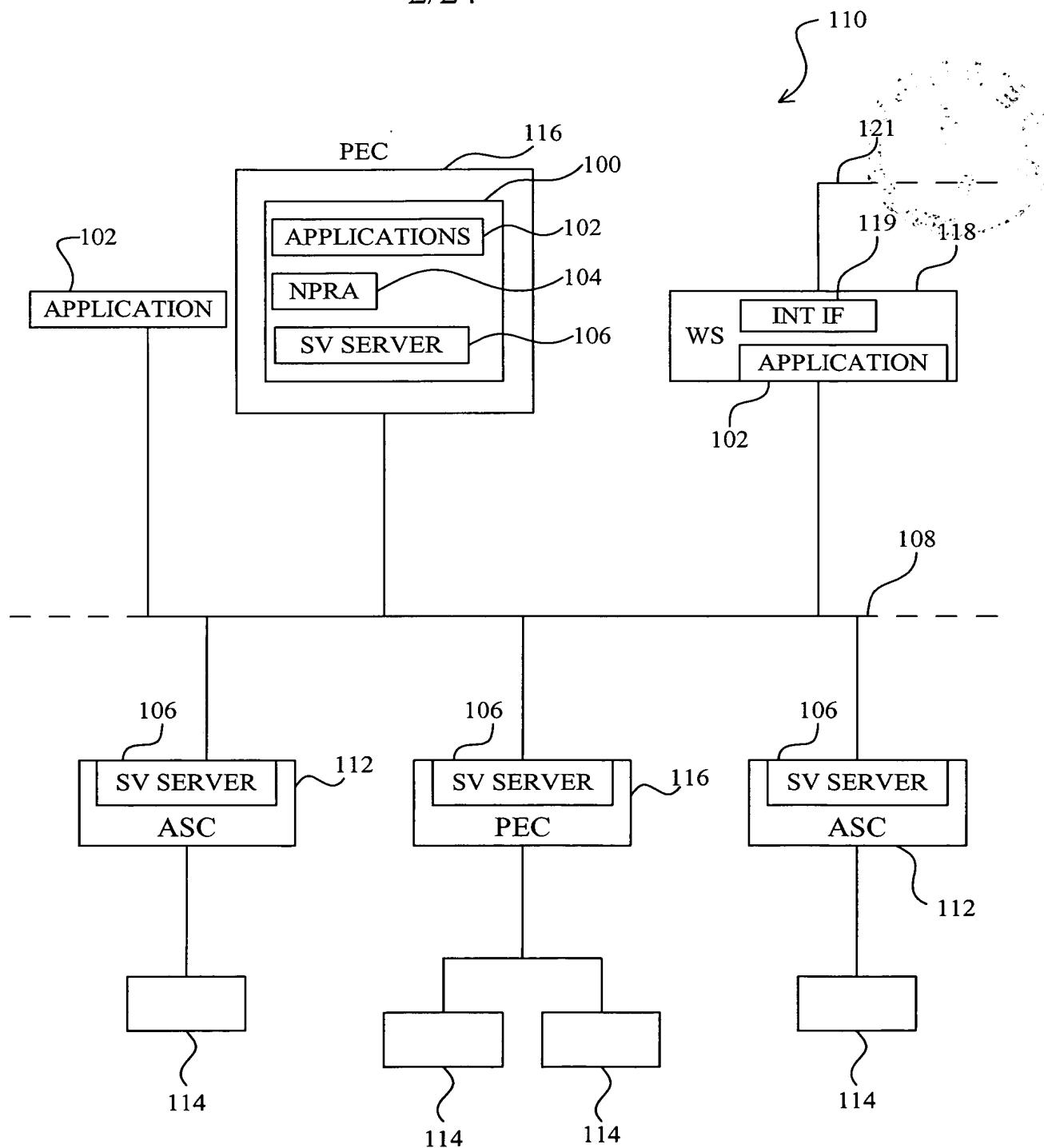


FIG. 2

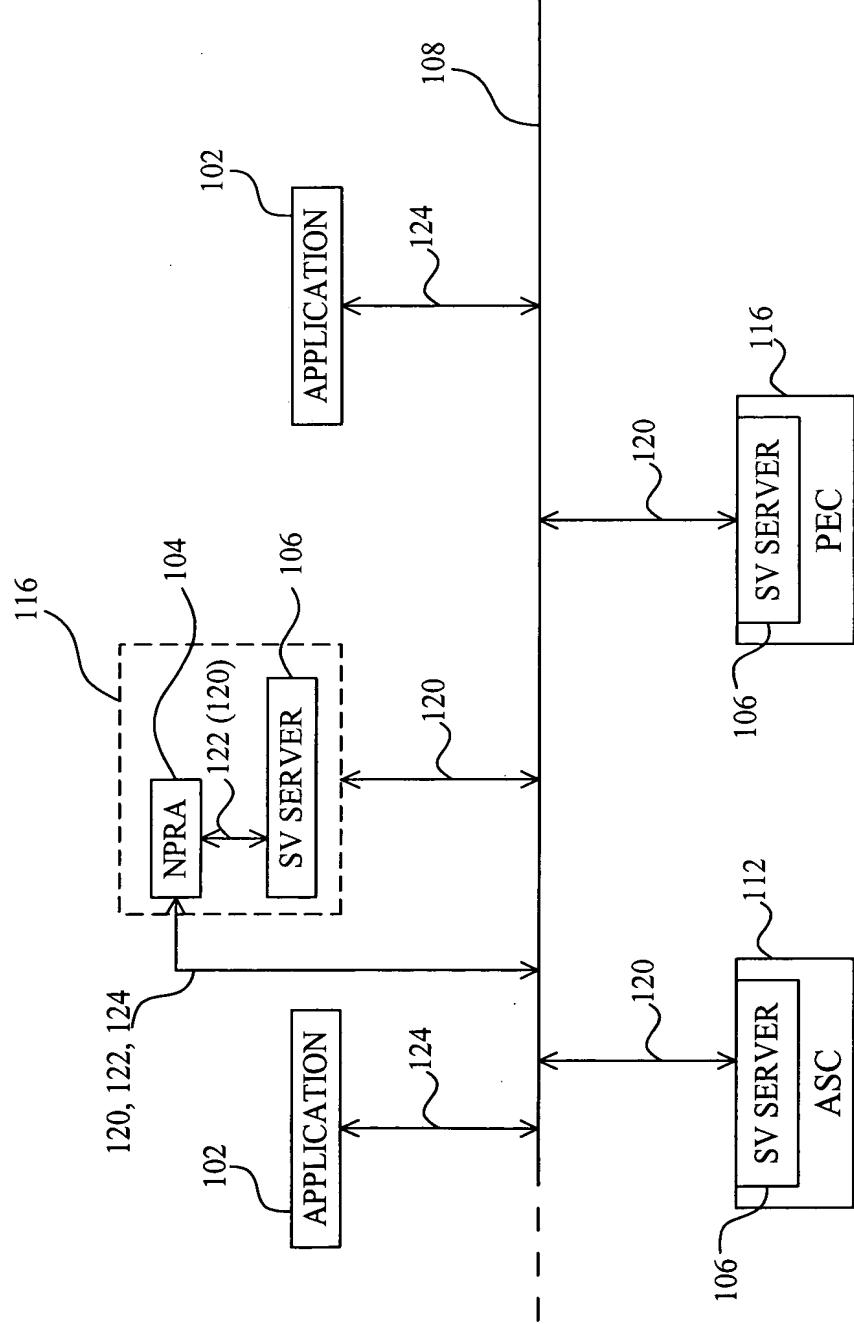
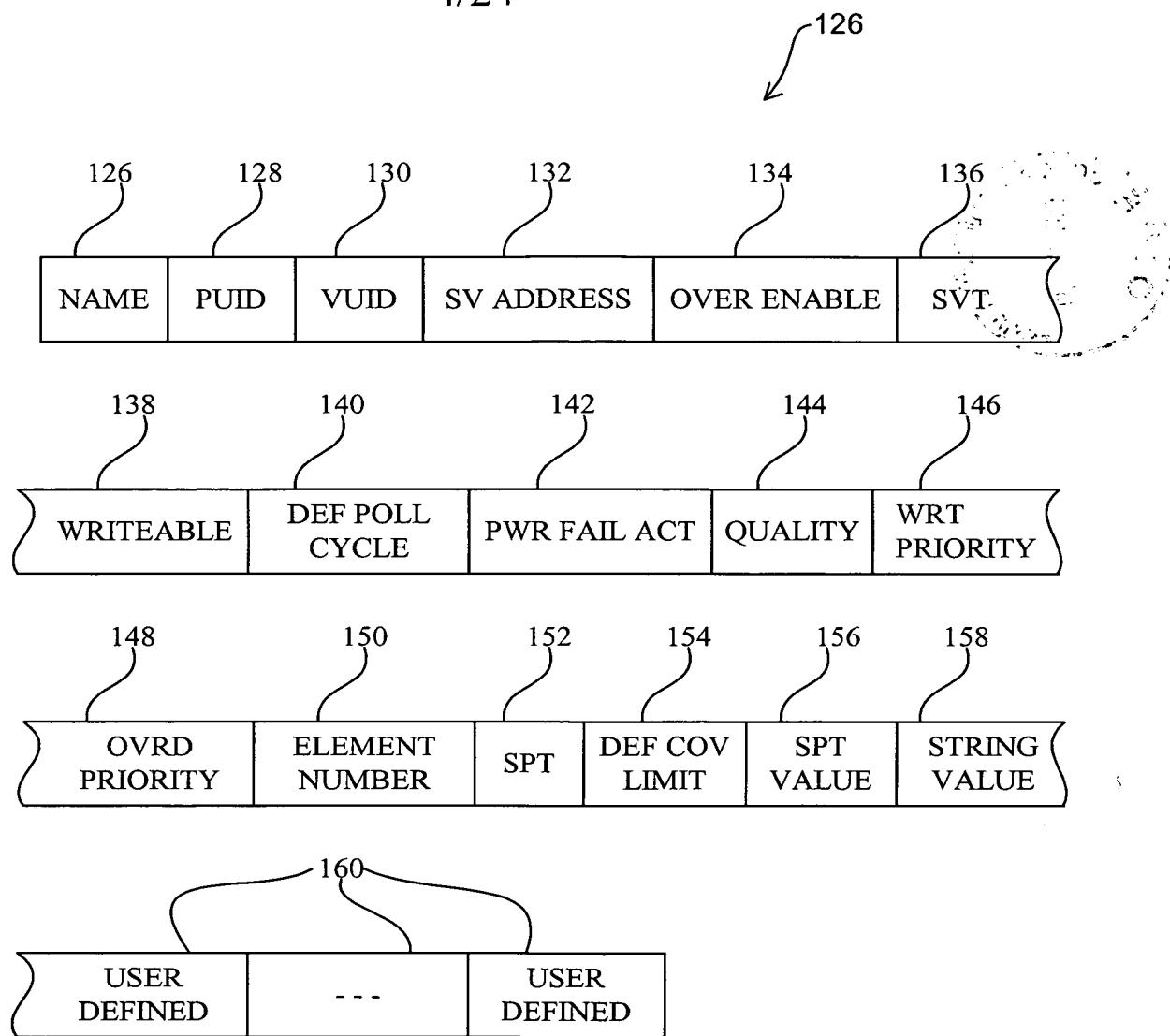


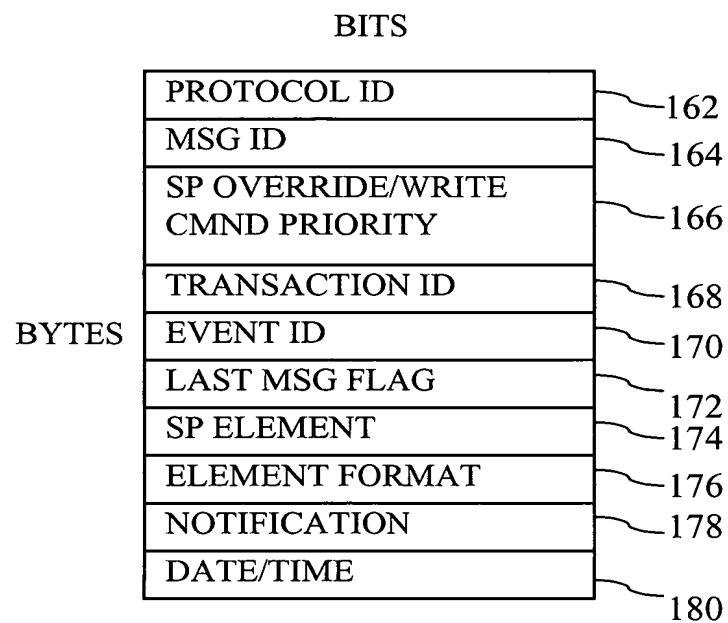
FIG. 3

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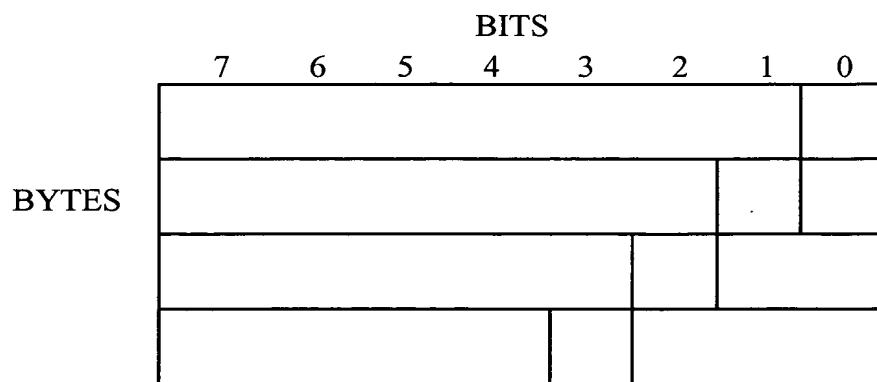


**FIG. 4**

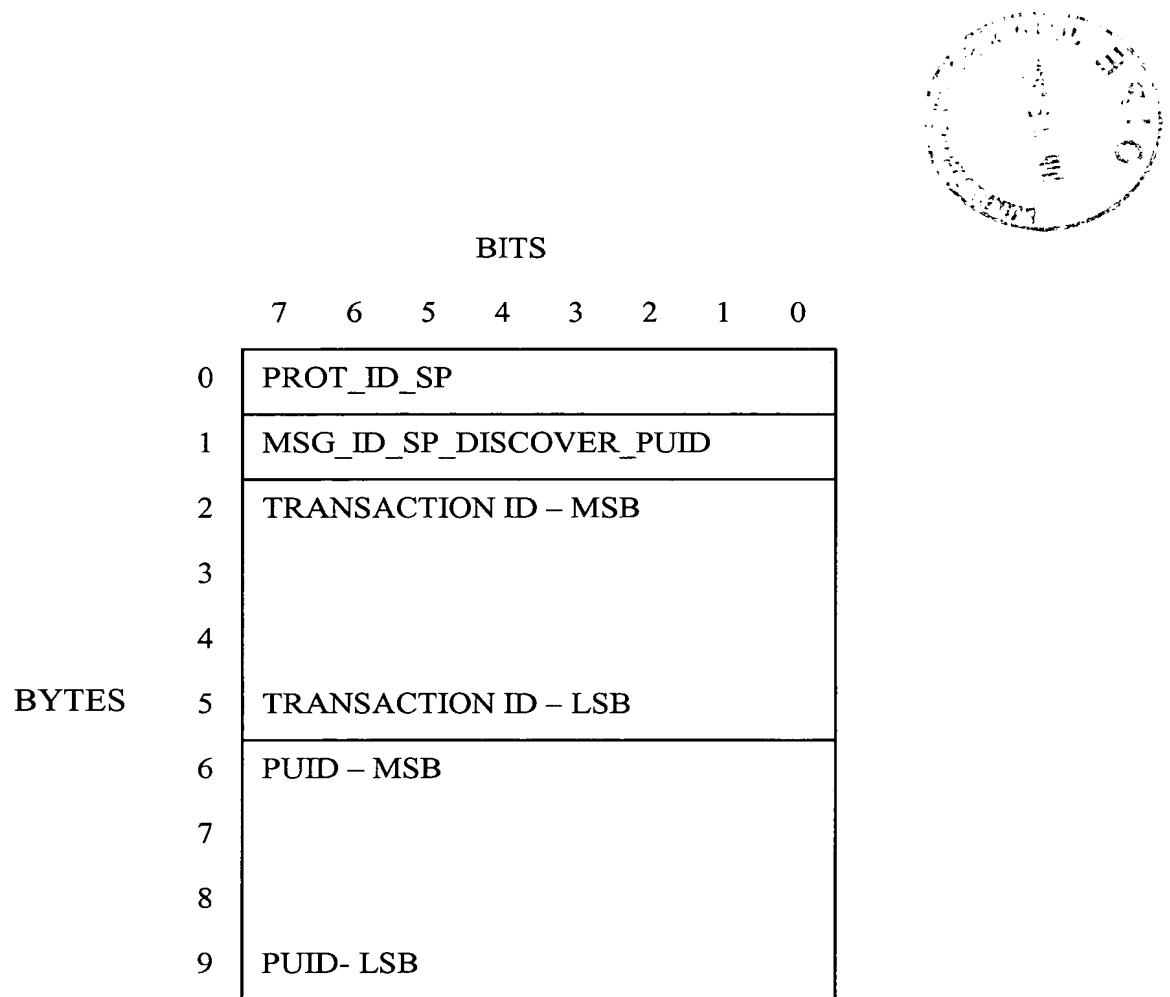
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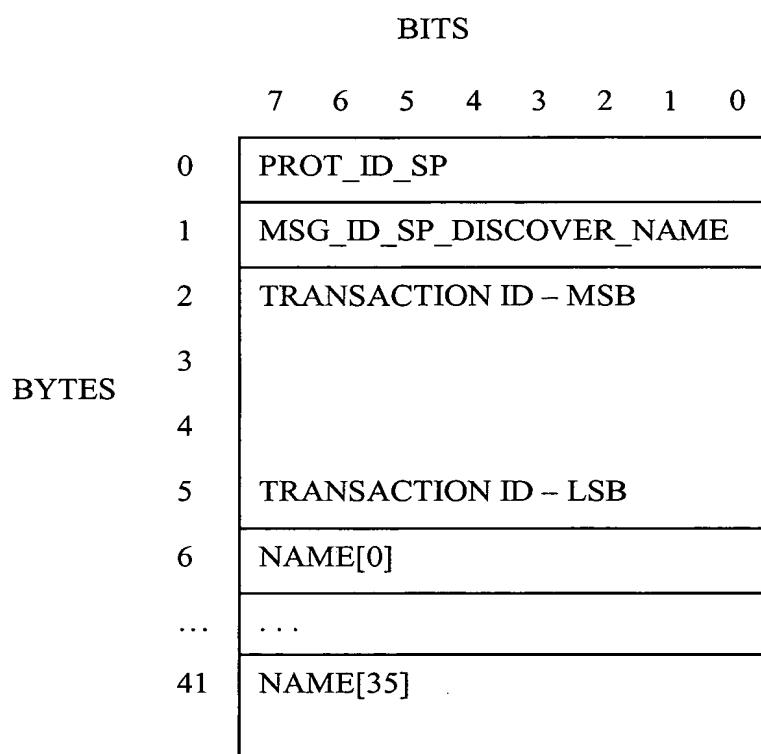
**FIG. 5**



**FIG. 6**

**FIG. 7**

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**FIG. 8**

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## BITS

FIG. 9

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		BITS							
		7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP							
	1	MSG_ID_SP_UNSUBSCRIBE_EL							
	2	TRANSACTION ID - MSB							
	3								
	4								
	5	TRANSACTION ID - LSB							
	6	PUID - MSB							
	7								
	8								
	9	PUID - LSB							
	10	SP ELEMENT INDEX							
	11	DISABLE COV							
		DISABLE COQ							
		DISABLE COS							
		DISABLE COT							
		--- UNUSED ---							

**FIG. 10**

		BITS							
		7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP							
	1	MSG_ID-SP_UNSUBSCRIBE_ALL_EL							

**FIG. 11**

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		BITS
BYTES		7 6 5 4 3 2 1 0
0	PROT_ID_SP	
1	MSG_ID_SP_OVERRIDE_WRITE_SP	
2	TRANSACTION ID - MSB	
3		
4		
5	TRANSACTION ID - LSB	
6	PUID - MSB	
7		
8		
9	PUID - LSB	
10	<del>XX</del> OVERRIDE/WRITE	
	<del>XX</del> OVERRIDE/WRITE PRIORITY	
11	OPERATOR ID[3]	
...		
14	OPERATOR ID[3]	
15	SPF	
16	ELEMENT[0] VALUE - MSB	
17		
18		
19	ELEMENT[0] VALUE - LSB	
...		
XX	ELEMENT[n] VALUE - MSB	
	ELEMENT[n] VALUE - LSB	

**FIG. 12**

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BYTES	BITS							
	7	6	5	4	3	2	1	0
0	PROT_ID_SP							
1	MSG_ID_SP_RELEASE							
2	TRANSACTION ID - MSB							
3								
4								
5	TRANSACTION ID - LSB							
6	PUID - MSB							
7								
8								
9	PUID - LSB							
10	✗	OVERRIDE/WRITE						
	✗	OVERRIDE/WRITE PRIORITY						
11	OPERATOR ID[0]							
...								
14	OPERATOR ID[3]							



**FIG. 13**

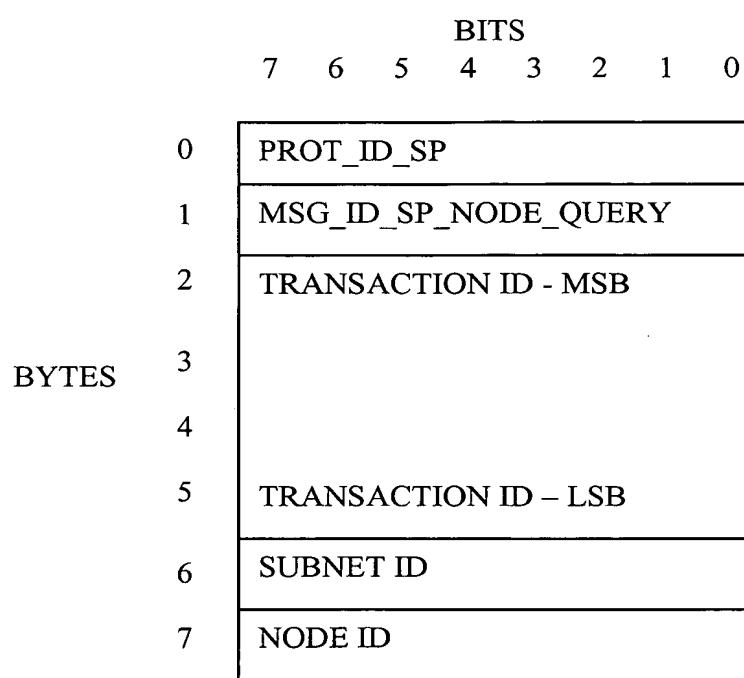
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		BITS							
		7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP							
	1	MSG_ID_SP_VAL_QUERY							
	2	TRANSACTION ID – MSB							
	3								
	4								
	5	TRANSACTION ID – LSB							
	6	PUID – MSB							
	7								
	8								
	9	PUID- LSB							
	10	REPORT FORMAT							
	11	MIN WRITE PRIORITY							
	12	MIN OVERRIDE PRIORITY							

**FIG. 14**

		BITS							
		7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP							
	1	MSG_ID_SP_QUAL_QUERY							
	2	TRANSACTION ID – MSB							
	3								
	4								
	5	TRANSACTION ID – LSB							
	6	PUID – MSB							
	7								
	8								
	9	PUID- LSB							
	10	REPORT FORMAT							
	11	QUALITY MASK – MSB							
	12	QUALITY MASK - LSB							

**FIG. 15**

**FIG. 16**

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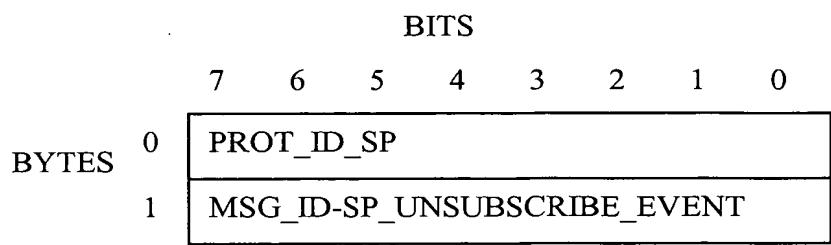
BITS								
	7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP						
1	MSG_ID_SP_CANCEL_TRANS							
2	TRANSACTION ID - MSB							
3								
4								
5	TRANSACTION ID – LSB							

**FIG. 17**

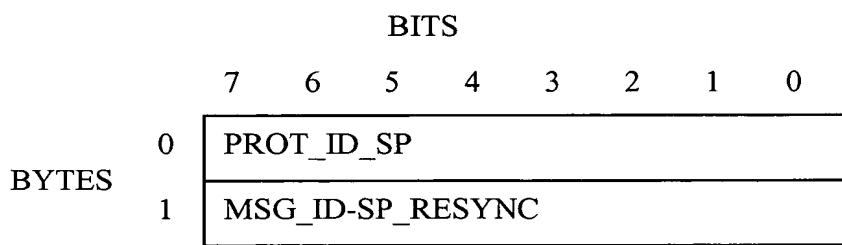
BITS								
	7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP						
1	MSG_ID_SP_SUBSCRIBE_EVENT							
2	MIN EVENT SEVERITY – MSB							
3	MIN EVENT SEVERITY – LSB							
4	APPLICATION ID							
5	REPORT FORMAT							

**FIG. 18**

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**FIG. 19**



**FIG. 20**

		BITS							
		7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP							
	1	MSG_ID_SP_EVENT_RPT							
	2	EVENT ID – MSB							
	3	EVENT ID – LSB							
	4	EVENT SEVERITY – MSB							
	5	EVENT SEVERITY – LSB							
	6	EVENT TIME STAMP - MSB							
	...	...							
	13	EVENT TIME STAMP - LSB							
	14	ARG LENGTH							
	15	ARG[0]							
	...	...							
	XX	ARG[N]							

**FIG. 21**

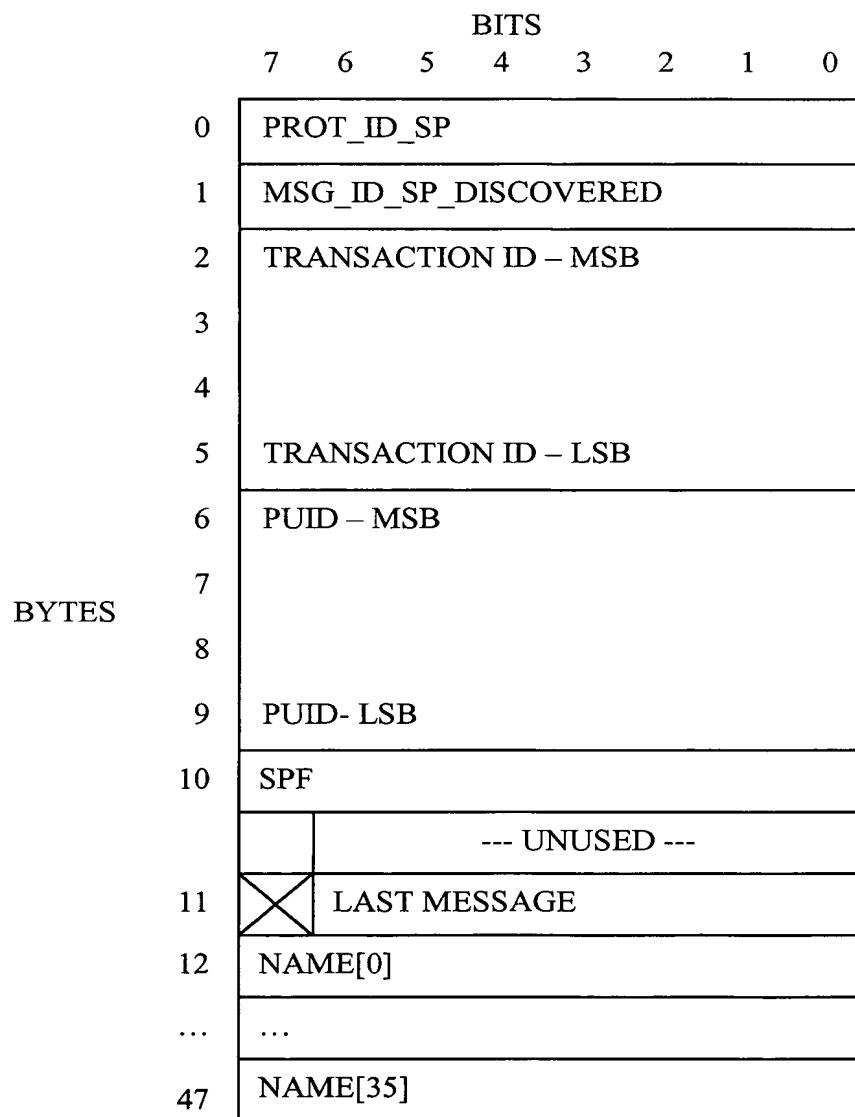


FIG. 22

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BITS

BYTES	7	6	5	4	3	2	1	0
0	PROT_ID_SP							
1	MSG_ID_SP_VAL_RPT_0							
2	TRANSACTION ID – MSB							
3								
4								
5	TRANSACTION ID – LSB							
6	PUID – MSB							
7								
8								
9	PUID – LSB							
10	COV NOTIFICATION							
	COQ NOTIFICATION							
	--- UNUSED ---							
	LAST MESSAGE							
11	QUALITY – MSB							
12	QUALITY – LSB							
13	SP WRITE PRIORITY							
14	SP OVERRIDE PRIORITY							
15	SPF							
16	ELEMENT[0] VALUE - MSB							
17								
18								
19	ELEMENT[0] VALUE – LSB							
...								
XX	ELEMENT[n] VALUE – MSB							
	ELEMENT[n] VALUE - LSB							

**FIG. 23**

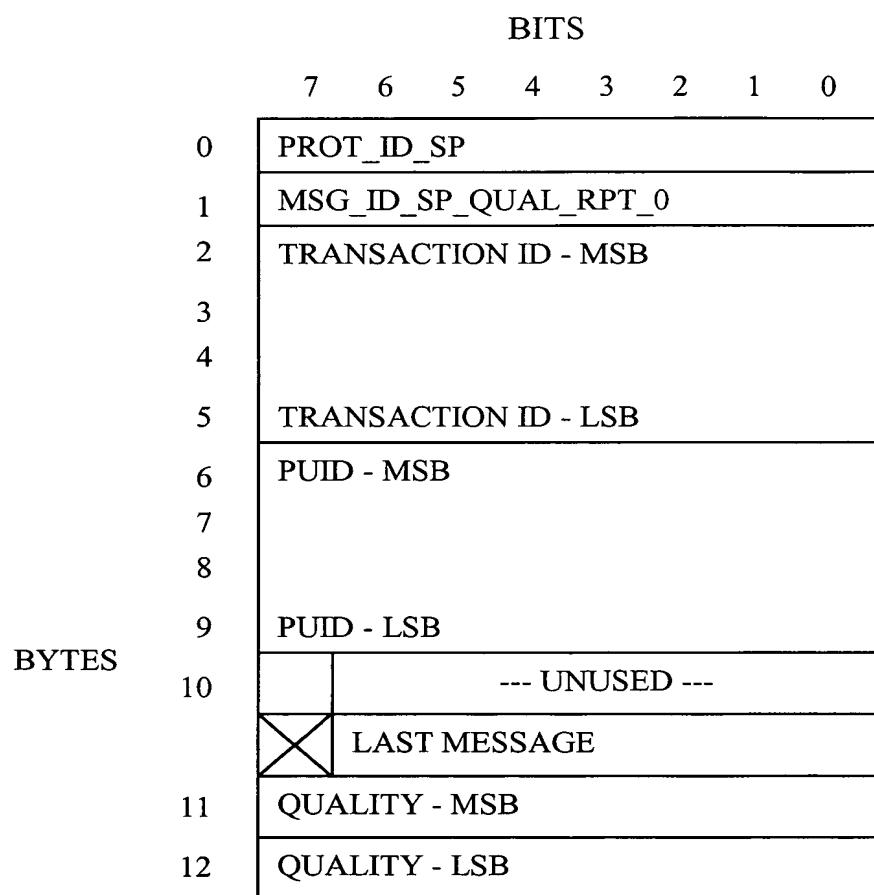
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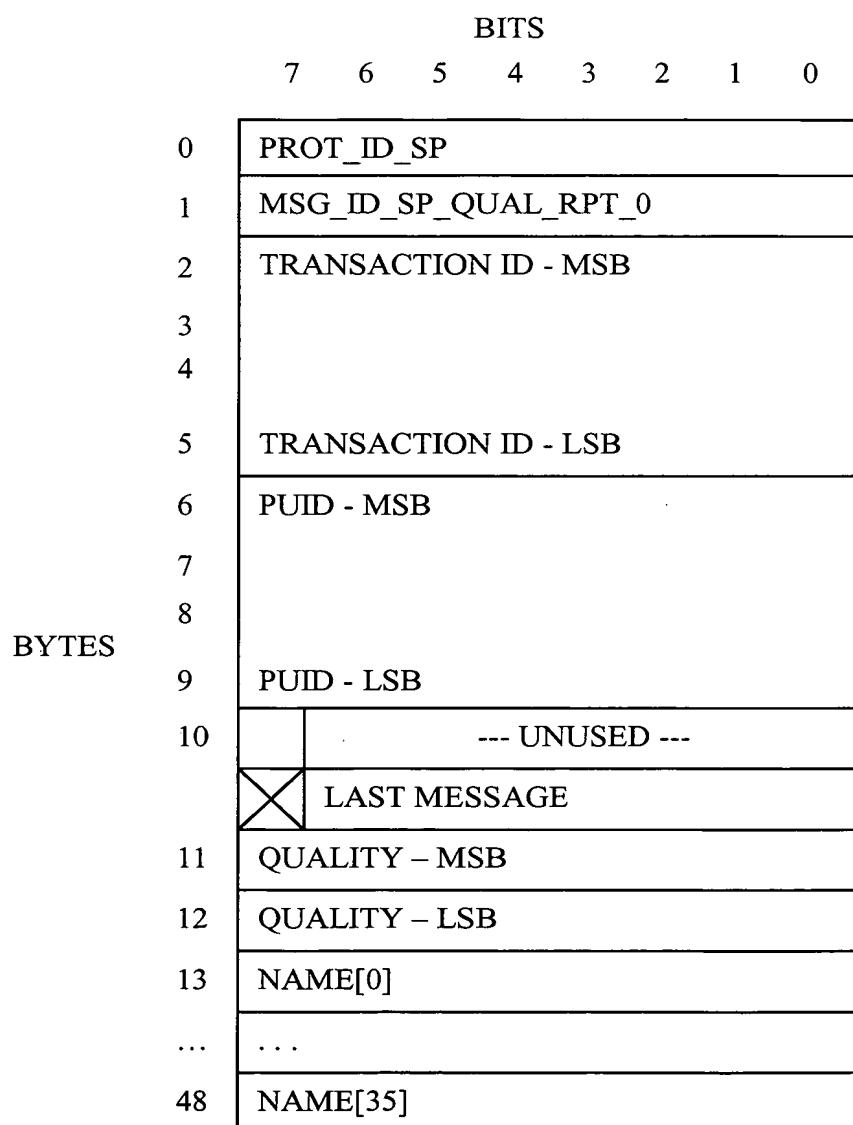
BITS

7 6 5 4 3 2 1 0

0	PROT_ID_SP
1	MSG_ID_SP_VAL_RPT_1
2	TRANSACTION ID – MSB
3	
4	
5	TRANSACTION ID – LSB
6	PUID – MSB
7	
8	
9	PUID – LSB
10	COV
	COQ
BYTES	--- UNUSED ---
	LAST MESSAGE
11	QUALITY – MSB
12	QUALITY – LSB
13	SP WRITE PRIORITY
14	SP OVERRIDE PRIORITY
15	NAME[0]
...	...
50	NAME[35]
51	SPF
52	ELEMENT VALUE[0]
...	...
XX	ELEMENT VALUE[N]

**FIG. 24**

**FIG. 25**

**FIG. 26**

		BITS							
		7	6	5	4	3	2	1	0
BYTES	0	PROT_ID_SP							
	1	MSG_ID_SP_EVENT_RPT							
	2	ORIGINATOR SUBNET ID							
	3	ORIGINATOR NODE ID							
	4	APPLICATION ID							
	5	EVENT ID – MSB							
	6	EVEMT ID – LSB							
	7	EVENT SEVERITY – MSB							
	8	EVENT SEVERITY – LSB							
	9	EVENT TIME STAMP - MSB							
	...	...							
	16	EVENT TIME STAM - LSB							
	17	ARG LENGTH							
	18	ARG[0]							
	...	...							
	XX	ARG[N]							



FIG. 27

BYTES	BITS							
	7	6	5	4	3	2	1	0
0	PROT_ID_SP							
1	MSG_ID_SP_APPLICATION_ERROR							
2	MODULE – MSB							
3	MODULE – LSB							
4	ERROR CODE – MSB							
5	ERROR CODE – LSB							
6	ORIGINAL MESSAGE (FIRST BYTE)							
...								
n	ORIGINAL MESSAGE (LAST BYTE)							

**FIG. 28**